NOT Amendment (Claims & Asenda for interviewing purposes

## PENDING CLAIM FOR:

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TEXT EQUIVALENCING ENGINE

ATTY. DKT. NO.:

22227-05479

31B C17,

1. A computer-implemented method of test equivalencing from a string of characters comprising:

modifying the string of characters using a predetermined set of heuristics;

moaring the modified string with a landon string of characters in a side ito

locate a match;

responsive to not finding a match, forming a plurality of sub-strings of

ackslashcharacters from the string of characters; and

using an information retrieval technique on the sub-strings of characters to

determine a known string of characters equivalent to the string of

characters.

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2. The method of claim 1, wherein the information retrieval technique further

2 comprises:

weighting the sub-strings;

scoring the known atring of characters; and

retrieving information associated with the known string of characters with

the highest score

3. The method of claim 2, further comprising, responsive to the highest score

being greater than a first threshold, automatically accepting the known string of

3 characters as an exact match.

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$\sqrt{4}$ . The method of claim 2, further comprising, responsive to the highest score
being less than a second threshold and greater than a first threshold, presenting the
known string of characters to a user for manual confirmation.

- 5. The method of claim 2, further comprising, responsive to the highest score being less than a second threshold and greater than a third threshold, presenting the known string  $\Delta t$  characters to a user to select the equivalent string of characters.
  - 6. The method of claim 1, wherein the sub-strings of characters are 3-grams.
- 7. The method of claim 1, wherein the string of characters is selected from the group consisting of a song title, a song artist, an album name, a book title, an author's name, a book publisher $\lambda$ a genetic sequence, and a computer program .
- 8. The method of claim 1, wherein the predetermined set of heuristics comprises removing whitespace from the string of characters.
- 9. The method of claim 1/2 wherein the predetermined set of heuristics comprises removing a portion of the string of characters.
  - 10. The method of claim 1, wherein the predetermined set of heuristics comprises replacing a symbol in the string of characters with an alternate representation for the symbol.
- 11. The method of claim 1 further comprising storing an indication that the string of characters is the equivalent of the known string of characters.
- 12. A computer implemented system for text equivalencing from a string of characters comprising:

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3.	\ a heuristics module for modifying the string of characters using a
4	predetermined set of heuristics;
5	a comparator module, coupled to the heuristics module, for comparing the
6	modified string with a known string of characters in order to find a
7	match;
8 .	a sub-staing formation module, coupled to the comparator module,
9	responsive to not finding a match, for forming a plurality of sub-
o	strings of characters from the string of characters; and
I	an information retrieval module, coupled to the sub-string formation module,
3	for performing an information retrieval technique on the sub-strings of
3	character to determine a known string of characters equivalent to the
4	string of characters.

- 13. The system of claim 12, wherein the information retrieval module further comprises:
- a weight module for weighting the sub-strings;
- a score module for scoring the known string of characters; and
- a retrieval module, coupled to the weight and score modules, for retrieving information associated with the known string of characters with the highest score.
  - 14. The system of claim 13, further comprising an accept module, coupled to the retrieval module, for accepting the information retrieved as an exact match for the highest score greater than a first threshold.
  - 15. The system of claim 13, further comprising an accept module, coupled to the retrieval module, for presenting the information retrieved to a user for manual confirmation for the highest score less than a first threshold and greater than a second threshold.

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- 17. The system of claim 12, wherein the sub-strings of characters are 3-grams.
- 18. The system of claim 12, wherein the string of characters is selected from the group consisting of Asong title, a song artist, an album name, a book title, and author's name, a book publisher, a genetic sequence, and a computer program.
- 19. The system of claim 12, wherein the predetermined set of heuristics comprises removing white pace from the string of characters.
- 20. The system of claim\12, wherein the heuristics module comprises a removal module for removing a portion of the string of characters.
- 21. The system of claim 12, wherein the heuristics module comprises a replacement module for replacing a symbol in the string of characters with an alternate representation for the symbol.
- 22. The system of claim 12 further comprising a database update module for storing an indication that the known string of characters is the equivalent of the known string of characters.
- 23. A computer-readable medium comprising computer-readable code for performing text equivalencing from a string of characters comprising: 2
- computer-readable code adapted to modify the string of characters using a predetermined set of heuristics;

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computer-r	readable code adapted to compare the modified string with a
kno	wn string of characters in order to locate a match;
\computer-r	eadable code, responsive to not finding a match, adapted to form a
plur	ality sub-strings of characters from the string of characters; and
computer-r	eadable code adapted to use an information retrieval technique on
the s	sub-strings of characters to determine a known string of characters
\eaui	valent to the string of characters

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24. The computer-readable medium of claim 23, wherein the information retrieval technique further comprises:

computer-readable code adapted to weight the sub-strings;
computer-readable code adapted to score the known string of characters; and
computer-readable code adapted to retrieve information associated with the
known string of characters with the highest score.

- 25. The computer-readable medium of claim 24, further comprising computer-readable code, responsive to the highest score being greater than a first threshold, adapted to automatically accept the known string of characters as an exact match.
- 26. The computer-readable medium of claim 24, further comprising computer-readable core, responsive the highest score being less than a second threshold and greater than a first threshold, adapted to present the known string of characters to a user for manual confirmation.
- 27. The computer-readable medium of claim 24, further comprising computer-readable code, responsive to the highest score being less than a second threshold and greater than a third threshold, adapted to present the known string of characters to a user to select the equivalent string of characters.

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'	28. The computer-readable medium of claim 23	3, wherein the sub-strings of
charac	tels are 3-grams.	

- 29. The computer-readable medium of claim 23, wherein the string of characters selected from a group consisting of a song title, a song artist, an album name, a book title, an author's name, a book publisher, a genetic sequence, and a computer program.
- 30. The computer-readable medium of claim 23, wherein the predetermined set of heuristics comprises removing whitespace from the string of characters.
- 31. The computer-readable medium of claim 23, wherein the predetermined set of heuristics comprises repoving a portion of the string of characters.
- 32. The method of claim 23, wherein the predetermined set of heuristics comprises replacing a symbol in the string of characters with an alternate representation for the symbol.
- 33. The computer-readable medium of claim 23 further comprising updating the
   known string of characters to indicate the string of characters is the equivalent of the
   known string of characters.
- 34. A computer-implemented system for performing text equivalencing from a string of characters comprising:
- a modifying means for modifying the string of characters using a predetermined set of heuristics;
- a comparator means for comparing the modified string with a known string of characters in order to locate a match;
- responsive to not finding a match, a formation means for forming a plurality
  sub-strings of characters from the string of characters; and

	9	an information retrieval means for determining a known string of characters
	10	equivalent to the string of characters.
	1	35. The system of claim 34, wherein the information retrieval means further
B\ 2	comprises:	
	3	a weight means for weighting the sub-strings;
	4	a score means for scoring the known string of characters; and
	5	a retrieval means for retrieving information associated with the known string
	б	of characters with the highest score.

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